Broadcast Engineering
1969 ANNUAL INDEX

AM STATIONS

All-Talk Studio ....Nov., 30
Audio Network Control Unit ....May, 48
Audio Proof Requirement Modified ....Sept., 6
Co-Channel Interference ....June, 48
Equalizing Phone Lines, Part I Oct., 59
Equalizing Phone Lines, Part II Nov., 54
Freeze to be Lifted? ....June, 55
Modulation Monitors ....April, 59
Portable Console ....Aug., 48
Pre-sunrise Rules ....Sept., 6
Proof of Performance ....June, 28
PSA Audio Compensator ....June, 46
RFE's Master Control System Sept., 20
Remote Temperature Readout ....March, 106
Station Clocks ....May, 6
Transformer Maintenance ....July, 46

ANTENNAS

Antennas On Ships ....Feb., 6
Base Ammeter Readings ....Oct., 57
Changing An FM Antenna ....May, 28
Daytime Obstruction Lighting May, 45
Directional Antenna Inspection ....April, 33
Directional Antenna Maintenance ....May, 45
Impedance Mismatch ....Aug., 8
Improving The KFGO Antenna July, 18
Replacing An FM Antenna....April, 26
Remote Antenna Ammeter....July, 47

ASSOCIATIONS

JCIC Report ....June, 49
IBS Digest ....Jan., 8
IEEE Digest ....Jan., 10
AES Digest ....Jan., 7
NAB Awards ....March, 16
NAB Convention Program....March, 18
NAB Digest ....Jan., 14
NAB Convention Report ....May, 20
NAB Exhibits ....March, 20
NAB Speakers and Awards March, 16
NAEB Digest ....Jan., 18
NCTA Convention Report ....Aug., 50
SBE Digest ....Jan., 83
SMPTE Digest ....Jan., 84

AUDIO

Building A Failure Alarm ....Aug., 54
Equalizing Phone Lines, Part I Oct., 59
Equalizing Phone Lines, Part II Nov., 54
Mike & Line Phasing Testers....Feb., 42
Network Control ....May, 48
Patching In The Studio ....April, 38
Proof Requirement Modified....Sept. 6
PSA Audio Compensator ....June, 46

AUTOMATION

Automated Phasor Design ....Sept., 48
Computer Jam ....Feb., 66
Computer Mystery ....Sept., 52
Shifting to Station Automation ....March, 53
New York Net ....Nov., 62
South Carolina ETV ....Oct., 39
Switcher Tightens Control....March, 40

CABLE TV

Co-Channel Interference ....April, 32
Convention Report ....Aug., 50
Copyright Bill ....June, 57
FCC-CATV Procedures ....Aug., 20
FCC Decisions ....July, 58
Implied Freeze New Regulations ....Feb., 20
Multiple Program Selection....Sept., 34
Quasi Laser Ling ....July, 59
Retransmission Consent ....Oct., 6
Satellite Usage ....Aug., 26
Section 74.1107 Waivers ....July, 60
Short-Haul Microwave Systems ....April, 36
System Maintenance ....Nov., 58
Task Force Report ....Aug., 18
Technical Standards ....Aug., 4
Tech Training ....June, 57
Telco Systems ....Oct., 19
Testing Drops ....Oct., 20

CONSTRUCTION

All-Talk Studio ....Nov., 30
Audio Network Control ....July, 4
Audio Network Control ....May, 48
Band Scanner ....Sept., 56
EAN Receiver ....July, 36
Emergency Power Changeover ....Aug., 39
Equipment and Station Pride....May, 34
Failure Alarm ....Aug., 54
High Voltage Silicon Rectifier Stacks ....July, 30
Material On the Circuit ....Oct., 56
Microphone and Phasing Testers ....Feb., 42
Patching In The Studio ....April, 38
Portable Console ....Aug., 48
PSA Audio Compensator ....June, 46
Remote Temperature Readout ....March, 106
Silicon Rectifier Costs ....Sept., 9
Solid-State Chroma Keyer ....Aug., 44
Station Clocks-WWV ....March, 6

DIRECT CURRENT

AM Audio Proof Modified ....Sept., 6
AM Freeze ....June, 55
AM-Indirect Power Measurements ....Sept., 4
AM Treaty With Mexico ....Sept., 4
CATV Retransmission Consent Test ....Oct., 6
CATV Technical Standards ....Aug. 4
ETC Medical Programs ....June, 56
Field Strength Measurements in CATV Case ....Feb., 40
FM Channel Assignment Proposals ....Aug., 4
FM Modulation Monitors ....Feb., 40
FM Stereo and SCA Monitors Aug., 6
FM Translators And Boosters ....March, 78
House Broadcast Bill ....Sept., 6
Land Mobile Pot Boiling ....Oct., 4
NAB Relaxed Operator Requirements ....Aug., 6
New CATV Regulations ....Feb., 39
New FCC Commissioner ....June, 55
New Rules For Nighttime Operation ....March, 77
Non-duplication Protection ....May, 46
Non-duplication Rules ....March, 78
Pay-TV Authorized ....Feb., 39
Pre-Sunrise Authorizations ....Oct., 4
Pre-Sunrise Rules for Clear Channels ....Sept., 6
Short-Haul Microwave by CATV ....April, 36
Power Output Meters ....March, 77
U. S./Mexican Broadcasting Treaty ....June, 56
UHF Land Mobile ....April, 33
UHF Tuner Performance ....March, 78
VHF Television Remote Control ....March, 77

Broadcast Engineering
1969 ANNUAL INDEX

AM STATIONS

All-Talk Studio ....Nov., 30
Audio Network Control Unit ....May, 48
Audio Proof Requirement Modified ....Sept., 6
Co-Channel Interference ....June, 48
Equalizing Phone Lines, Part I Oct., 59
Equalizing Phone Lines, Part II Nov., 54
Freeze to be Lifted? ....June, 55
Modulation Monitors ....April, 59
Portable Console ....Aug., 48
Pre-sunrise Rules ....Sept., 6
Proof of Performance ....June, 28
PSA Audio Compensator ....June, 46
RFE's Master Control System Sept., 20
Remote Temperature Readout ....March, 106
Station Clocks ....May, 6
Transformer Maintenance ....July, 46

ANTENNAS

Antennas On Ships ....Feb., 6
Base Ammeter Readings ....Oct., 57
Changing An FM Antenna ....May, 28
Daytime Obstruction Lighting May, 45
Directional Antenna Inspection ....April, 33
Directional Antenna Maintenance ....May, 45
Impedance Mismatch ....Aug., 8
Improving The KFGO Antenna July, 18
Replacing An FM Antenna....April, 26
Remote Antenna Ammeter....July, 47

ASSOCIATIONS

JCIC Report ....June, 49
IBS Digest ....Jan., 8
IEEE Digest ....Jan., 10
AES Digest ....Jan., 7
NAB Awards ....March, 16
NAB Convention Program....March, 18
NAB Digest ....Jan., 14
NAB Convention Report ....May, 20
NAB Exhibits ....March, 20
NAB Speakers and Awards March, 16
NAEB Digest ....Jan., 18
NCTA Convention Report ....Aug., 50
SBE Digest ....Jan., 83
SMPTE Digest ....Jan., 84

AUDIO

Building A Failure Alarm ....Aug., 54
Equalizing Phone Lines, Part I Oct., 59
Equalizing Phone Lines, Part II Nov., 54
Mike & Line Phasing Testers....Feb., 42
Network Control ....May, 48
Patching In The Studio ....April, 38
Proof Requirement Modified....Sept. 6
PSA Audio Compensator ....June, 46

AUTOMATION

Automated Phasor Design ....Sept., 48
Computer Jam ....Feb., 66
Computer Mystery ....Sept., 52
Shifting to Station Automation ....March, 53
New York Net ....Nov., 62
South Carolina ETV ....Oct., 39
Switcher Tightens Control....March, 40

CABLE TV

Co-Channel Interference ....April, 32
Convention Report ....Aug., 50
Copyright Bill ....June, 57
FCC-CATV Procedures ....Aug., 20
FCC Decisions ....July, 58
Implied Freeze New Regulations ....Feb., 20
Multiple Program Selection....Sept., 34
Quasi Laser Ling ....July, 59
Retransmission Consent ....Oct., 6
Satellite Usage ....Aug., 26
Section 74.1107 Waivers ....July, 60
Short-Haul Microwave Systems ....April, 36
System Maintenance ....Nov., 58
Task Force Report ....Aug., 18
Technical Standards ....Aug., 4
Tech Training ....June, 57
Telco Systems ....Oct., 19
Testing Drops ....Oct., 20

CONSTRUCTION

All-Talk Studio ....Nov., 30
Audio Network Control ....July, 4
Audio Network Control ....May, 48
Band Scanner ....Sept., 56
EAN Receiver ....July, 36
Emergency Power Changeover ....Aug., 39
Equipment and Station Pride....May, 34
Failure Alarm ....Aug., 54
High Voltage Silicon Rectifier Stacks ....July, 30
Material On the Circuit ....Oct., 56
Microphone and Phasing Testers ....Feb., 42
Patching In The Studio ....April, 38
Portable Console ....Aug., 48
PSA Audio Compensator ....June, 46
Remote Temperature Readout ....March, 106
Silicon Rectifier Costs ....Sept., 9
Solid-State Chroma Keyer ....Aug., 44
Station Clocks-WWV ....March, 6

DIRECT CURRENT

AM Audio Proof Modified ....Sept., 6
AM Freeze ....June, 55
AM-Indirect Power Measurements ....Sept., 4
AM Treaty With Mexico ....Sept., 4
CATV Retransmission Consent Test ....Oct., 6
CATV Technical Standards ....Aug. 4
ETC Medical Programs ....June, 56
Field Strength Measurements in CATV Case ....Feb., 40
FM Channel Assignment Proposals ....Aug., 4
FM Modulation Monitors ....Feb., 40
FM Stereo and SCA Monitors Aug., 6
FM Translators And Boosters ....March, 78
House Broadcast Bill ....Sept., 6
Land Mobile Pot Boiling ....Oct., 4
NAB Relaxed Operator Requirements ....Aug., 6
New CATV Regulations ....Feb., 39
New FCC Commissioner ....June, 55
New Rules For Nighttime Operation ....March, 77
Non-duplication Protection ....May, 46
Non-duplication Rules ....March, 78
Pay-TV Authorized ....Feb., 39
Pre-Sunrise Authorizations ....Oct., 4
Pre-Sunrise Rules for Clear Channels ....Sept., 6
Short-Haul Microwave by CATV ....April, 36
Power Output Meters ....March, 77
U. S./Mexican Broadcasting Treaty ....June, 56
UHF Land Mobile ....April, 33
UHF Tuner Performance ....March, 78
VHF Television Remote Control ....March, 77

Western Hemisphere NTSC Color ....May, 46

EDUCATIONAL BROADCASTING

College Radio ....June, 8
Educational Tapes ....Sept., 18
ETS Funding ....March, 10
ETV Survey ....March, 101
FCC on ITFS ....Oct., 22
Ford Foundation ....June, 8
New York Network ....Nov., 62
Public TV Color ....Aug., 12
Scrambled Medical Programs ....June, 56
South Carolina ETV ....Oct., 39
Switcher Tightens Quality Control ....March, 40

ENGINEER'S EXCHANGE

Cartridge Maintenance ....June, 61
Cartridge Maintenance ....Aug., 56
Cartridge Motor Bearing Cures ....Oct., 57
Cartridge Tape Tips ....Aug., 56
Keeping Material On Circuit ....Oct., 56
Modulation Monitors ....April, 59
Recorder ....March, 106
Remote Starting ....April, 55
Remote Temperature Readout ....March, 106
Salvaging Tapes ....May, 77
Television Tape Counter ....Sept., 54
Transistorized Colpitts Osc. ..June, 60
Turntable Maintenance ....May, 76

FCC ACTIONS

Anti-Smoking ....May, 8
CARS Rules ....April, 54
Discrimination Rules ....Aug., 14
Fairness Rules ....Sept., 64
FCC On CATV ....Sept., 16
FCC Hours ....Aug., 12
Four Network Operation ....July, 56
Licensing ....Feb., 4
Microwave Systems ....June, 54
Monitors ....Aug., 16
News Coverage ....April, 54
Operations Report ....May, 12
POPSI Charts ....March, 98
Program Diversity ....Aug., 66
Public Inspection ....May, 73
Reference Levels ....Sept., 9
Remote Control ....March, 12
Renewal Dates ....July, 6
Renewals Note ....June, 6
Rules Violations ....May, 10
Rules Violations ....Nov., 68
Uses New FAA Form ....July, 6

FM STATION

Channel Assignment Proposals ....Aug., 4
Field Strength Proposal ....Feb., 6
FM Legislation ....Sept., 75
FM Proof of Performance ....Aug., 10
Proof of Performance ....May, 13
Proof of Perforfance ....July, 4
Replacing An FM Antenna ....July, 18
Standards of Modulation Monitors ....Feb., 40
Stereo and SCA Monitors ....Aug., 6
Translators and Boosters ....March, 78

EMERGENCY BROADCASTING

Camille Report ....Oct., 12
EBS Signaling System ....Sept., 4
Emergency Broadcasting ....Nov., 38
Emergency Generators ....Oct., 8
EAN Message ....Feb., 8
Generator Placement & Repair ....Dec.,
KOMV Fire ....May, 75
Standby Generators ....Aug., 32
WELW Stolen ....April, 6
Two Station Fine ....Aug., 14
WEVD Cable Burned ....June, 6
WLOX During Camile ....Nov., 38

REMOTES

Camera On Telescope ....Sept., 71
Helicopter Remotes ....Feb., 36
Processing Apollo Signals ....Sept., 40
New Paths for TV Remotes ....Feb., 50
Remotes In Space ....Aug., 26
Satellites Support ....March, 8
Satellites Usage ....July, 8

SPECTRUM

FCC Allocations ....Aug., 16
FCC Land Mobile ....April, 8
FCC Studies ....Sept., 69
Land Mobile Pot Boiling ....Oct., 4
Mexican Treaty ....Feb., 6
NAB on Land Mobile ....July, 10
Spectrum Engineering ....May, 76
UHF Land Mobile Proposals ..April, 33

SOLID STATE

All-Talk Studio ....Nov., 30
Applications For IC Amplifiers ....Sept., 26
Chroma Keyer ....Aug., 44
High Voltage Rectifier Stacks ....Aug., 39
IC Applications ....Dec.,
Film Projector Recue ....Sept., 38
Solid State Service Tips ....Sept., 44
Transistor Audio Circuits ....Feb., 22
Transistor Audio Circuits ....March, 61
Transistor Audio Circuits ....April, 42
Transistor Service ....Nov., 48
Transistorized Colpitts Osc. ..June, 60
Using FET's And IC's ....July, 40

TAPES

Cartridge Maintenance ....June, 61
Cartridge Maintenance ....Aug., 56
Cartridge Motor Bearing Cures ....Oct., 57
Cartridge Tape Tips ....Aug., 56
Recorder ....March, 106
Remote Cartridge Starting ....April, 55
Salvaging Cartridges ....May, 77
Television Tape Counter ....Sept., 54
Turntable Maintenance ....May, 76

TELEVISION

Calibration Of Power Output Meters ....March, 77
Equipment & Station Pride ....May, 34
Field Strength Proposal ....Feb., 6
Film Processor, Part I ....Oct., 24
Film Processor, Part II ....Nov., 44
Lighting The Scene ....July, 13
Light Level Control ....June, 38
Penn. Powerhouse on UHF ....April, 14
TV Proof Of Performance ....July, 23
Remote Control Loop ....June, 22
Slow-Motion Disc Principles ..Feb., 14
Solid State Chroma Keyer ....Aug., 44
Sweep Frequency Techniques ....June, 12
Tape Counter ....Sept., 54
UHF Tuner Performance ....March, 78
VHF Remote Control ....March, 77